

CLAIMS

1. A concrete anchor comprising:

a bar having a top, a bottom, an upper end, a lower end, a first side, a second side, a front face, a rear face, a first aperture, a frontwardly protruding curved section and a rearwardly protruding curved section, the frontwardly protruding curved section and the rearwardly protruding curved section positioned to define a curved profile in the bar.

2. The concrete anchor of claim 1 wherein the bar further comprises a second aperture.

3. The concrete anchor of claim 1 wherein the top of the bar further comprises a first apex section, a first upwardly projecting face, a top platform section, a second upwardly projecting face, and a second apex section.

4. The concrete anchor of claim 3 wherein the first apex section, the first upwardly projecting face, the top platform section, the second upwardly projecting face, the second apex section, and the first aperture define an attachment region of the anchor.

5. The concrete anchor of claim 1 wherein the bottom of the bar further comprises a first upwardly projecting face, a bottom platform section, and a second upwardly projecting face.

6. The concrete anchor of claim 1 wherein the frontwardly protruding curved section and the rearwardly protruding curved section are positioned adjacent the lower end of the bar.

7. The concrete anchor of claim 1 wherein the curved profile comprises an S-shape.
8. The concrete anchor of claim 1 wherein the frontwardly protruding curved section defines a first radius of curvature, and wherein the rearwardly protruding curved section defines a second radius of curvature, the first radius of curvature being substantially the same as the second radius of curvature.
9. The concrete anchor of claim 1 wherein the bar defines a width and a thickness, and wherein the frontwardly protruding curved section and the rearwardly protruding curved section each have substantially the same width and thickness as the bar.
10. The concrete anchor of claim 1 wherein the frontwardly protruding curved section and the rearwardly protruding curved section at least partially define a substantially shear-resistant region of the anchor.

11. A concrete anchor comprising:

a bar having a top, a bottom, an upper end, a lower end, a first side, a second side, a front face, a rear face, a first aperture positioned adjacent the upper end of the bar, a frontwardly protruding curved section, and a rearwardly protruding curved section, the frontwardly protruding curved section and the rearwardly protruding curved section positioned to define a generally S-shaped profile in the bar.

12. The concrete anchor of claim 11 wherein the top of the bar further comprises a first apex section, a first upwardly projecting face, a top platform section, a second upwardly projecting face, and a second apex section.

13. The concrete anchor of claim 11 wherein the bottom of the bar further comprises a first upwardly projecting face, a foot platform section, and a second upwardly projecting face.

14. The concrete anchor of claim 11 wherein the frontwardly protruding curved section and the rearwardly protruding curved section are positioned adjacent the lower end of the bar.

15. The concrete anchor of claim 11 wherein the bar further comprises a second aperture.

16. The concrete anchor of claim 11 wherein the top of the bar and the first aperture define an attachment region of the anchor.

17. The concrete anchor of claim 11 wherein the frontwardly protruding curved section and the rearwardly protruding curved section comprise substantially similar radii of curvature.

18. The concrete anchor of claim 11 wherein the frontwardly protruding curved section and the rearwardly protruding curved section at least partially define a substantially shear-resistant region of the anchor.

19. A concrete anchor comprising:

a bar having a top, a bottom, an upper end, a lower end, a first side, a second side, a front face, a rear face, a first aperture positioned adjacent the upper end of the bar, a frontwardly protruding curved section, and a rearwardly protruding curved section, the frontwardly protruding curved section and the rearwardly protruding curved section positioned to define a generally S-shaped profile in the bar;

wherein the top of the bar further comprises a first apex section, a first upwardly projecting face, a top platform section, a second upwardly projecting face, and a second apex section; and

wherein the bottom of the bar further comprises a first upwardly projecting face, a foot platform section, and a second upwardly projecting face.